

## PRODUCTION OF TETRAALKYL QUATERNARY INORGANIC ACID SALT

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### Abstract of JP63174954

**PURPOSE:** To obtain the titled compound useful as a catalyst, etc., in simple operation and high purity, by blending halogenated tetraalkylammoniums, inorganic acid and water with an organic solvent soluble in water, throwing the blend into water and depositing an inorganic acid salt.

**CONSTITUTION:** A halogenated tetraalkylammonium or phosphonium salt, inorganic acid (e.g. HClO<sub>4</sub>, HBF<sub>4</sub>, H<sub>2</sub>SO<sub>4</sub>, etc.) and water are blended with an organic solvent (e.g. acetonitrile, acetone, ethanol, methanol, etc.) soluble in water and the blend solution is thrown into water in order to decompose an inorganic acid salt to provide tetraalkyl quaternary inorganic acid salt. A halogenated ion which is a source of trouble as an impurity in the aimed product can be substantially and completely removed by the above-mentioned method.

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